

APRIL/MAY 2025

**CBC61/FBC61 — CLINICAL  
BIOCHEMISTRY**

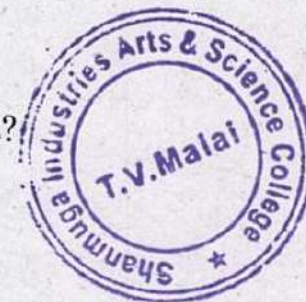
Time : Three hours

Maximum : 75 marks

**SECTION A — (10 × 2 = 20 marks)**

Answer ALL questions.

1. What is glycated hemoglobin diabetes?
2. Explain how fructosuria is caused.
3. Spell enzyme defect seen in cystinuria.
4. Show how is fatty liver caused.
5. What are the symptoms of hepatitis?
6. Define Prothrombin time.
7. Define nephritis.
8. Outline the complications of diabetes insipidus.
9. Relate the importance of isoenzymes in clinical diagnosis.
10. Write the composition of gastric juice.





SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Organize the renal glycosuria and galactosemia.

Or

- (b) Explain the types and complications for Diabetes Mellitus.

12. (a) Identify the causes and diagnosis of fatty liver.

Or

- (b) Explain the clinical manifestation of atherosclerosis.

13. (a) Organize the tests involved in liver function.

Or

- (b) Explain the acute and chronic hepatitis.

14. (a) Identify the causes signs and symptoms of diabetes insipidus.

Or

- (b) Appraise the causes of urinary tract infections.

15. (a) Identify the causes and symptoms of acute pancreatitis.

Or

- (b) Examine how gastric contents can be collected.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain in detail on OGTT.
17. Criticize the defects causing and symptoms of inborn error metabolism.
18. Explain the types, causes and diagnosis of Jaundice
19. Elaborate how renal functions test are assessed by urea and creatinine clearance test.
20. Discuss the various isoenzymes that are useful in diagnosis of myocardial infraction

